OMB No. 2010-0032
Expiration Date 01/31/2010

2002 Performance Track Annual Performance Report

American Ref-Fuel Company of Hempstead
A020052

Year 1 Annual Performance Report

SECTION A: GENERAL FACILITY INFORMATION

A.1 Name of your facility:

American Ref-Fuel Company of Hempstead

A.2 Name of your parent company:

American Ref-Fuel Company

A.3 Facility contact person for the Performance Track program:

Name:	Mr. Scott Wheeler
Title:	Environmental Engineer
Phone:	(516) 683-5438
Fax:	(516) 683-1413
Email:	swheeler@ref-fuel.com

A.4 Facility location:

Street Address:	600 Merchants Concourse
Address Cont:	
City:	Westbury
State:	NY
Zip Code:	11590

Mailing address (if different from above):

Mailing Address:	
Address Cont:	
City:	
State:	
Zip Code:	

A.5 Facility's website address (if any):

http://www.ref-fuel.com

A.6 Number of employees (full-time equivalents) who currently work in the facility:

50-99

A.7 North American Industrial Classification System (NAICS) Code(s) that is(are) used to classify business at the facility:

562213 221119

A.8 In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products and/or activities? If yes, please list them here:

No Changes

A.9 Have the environmental requirements applicable to your facility changed during this reporting period? If yes, please describe these changes here.

Yes

On April 12, 2002, several of the facility emission limits were changed slightly due to changes in the Federal Emission Guidelines for large municipal waste combustors. The concentration limits for both sulfur dioxide (CEMS) and hydrogen chloride (annual stack test) were reduced from 31 ppm @7% O2 to 29 ppm, the emission limit for lead (stack test) was reduced from 0.49 mg/dscm @ 7% O2 to 0.44 mg/dscm, and the emission limit for NOx (CEMS) was increased from 200 ppm @ 7% O2 to 205 ppm. The facility demonstrated compliance with all new limits during the annual stack test conducted in November 2002.

SECTION B: ENVIRONMENTAL MANAGEMENT SYSTEM

B.1.a When was an EMS assessment last conducted by an independent party at your facility?

If an assessment was conducted during 2002, please provide the type (e.g., ISO 14001 certification), the scope, and the month(s) of each assessment.

B.1.b When was an internal EMS assessment last conducted at your facility?

2002

B.1.c When was an internal or corporate compliance audit last conducted at your facility?

2002

Scope
Dates

Who conducted the audit

B.1.d (Optional) If you would like to describe any other audits or inspections that were conducted at your facility, please do so here.

An on-site Environmental Monitor from the New York State Department of Environmental Conservation is assigned to the facility and conducts compliance inspections an average of three times per week. He focuses on solid waste management and air quality regulations and reports his findings to the facility after each inspection. In addition, the Environmental Monitor completes a more thorough inspection of the air quality requirements, including a review of records, once each quarter.

B.1.e Briefly summarize corrective actions taken and other improvements made as a result of your EMS assessments and compliance audits.

The following were completed as a result of our EMS assessments and compliance audits: improved chemical container labeling, increased reliability of the automatic doors on the ash loadout building to minimize fugitive emissions, installation of sonic horns in four of the 36 cells in the baghouses to improve cleaning efficiency and help reduce emissions, and installation of a "hi-hi" alarm for opacity to alert the Control Room Operator to a problem and

reduce the likelihood of an environmental exceedance.

B.1.f Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?
Yes

If no, please explain your plans to correct these instances.

B.1.g When was the last Senior Management review of your EMS completed?
March 2003
Who was the senior manager present at the review?
Name: Mr. Kenneth Armellino, P.E.
Title: Environmental Manager

B.2.a ISO 14001 Certification. Is your facility currently certified to ISO 14001?
No

B.2.b Is your facility a Responsible Care-certified facility?

B.3 Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?
April 2002

B.4 Progress Toward Achieving Objectives and Targets. In the table below, please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as Environmental Performance Commitments in Section C. You may limit the summary to environmental aspects that are significant and towards which progress has been made during the reporting year. Do you have additional environmental aspects to report? Yes

Environmental Aspect	Progress Made This Year (e.g., quantitative or qualitative improvements, activities conducted)
Waste - Total Solid Waste	One of the prior achievements documented in our Performance Track application in May 2002 was a reduction in solid waste (ash residue) being landfilled. This was achieved through installation of a non-ferrous metal recovery system, which allows the metal to be recycled instead. The amount of ash landfilled per ton of ash generated decreased from 0.998 in 2001 to 0.995 in 2002. The amount of non-ferrous metal recycled increased from 451 tons to 994 tons from year to year.

SECTION C: ENVIRONMENTAL PERFORMANCE COMMITMENTS

COMMITMENT 1

Category:	Water Use				
Aspect:	Total Water Use				
Specific Information on Aspect (Optional):	Based on reuse of collected stormwater.				
	Baseline	**Year 1**	**Year 2**	**Year 3**	**Performance Commitment**
Calendar Year:	2001	2002	2003	2004	2004
Actual Quantity (per year):	487,500,000	495,763,000			482,000,000
Measurement Units:	gallons	**Other:**			
Normalizing Factor:	1.0	1.0			1.0 *
Basis for your Normalizing Factor:	Production				
Normalized Quantity per year:	487,500,000	495763000			482000000

* Estimated

Explain Exclusions:

C.1.b Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

Achieving this commitment is dependent on completion of a capital project that will modify the stormwater collection system and allow the facility to reuse the stormwater in the plant. Due to budgetary constraints caused by unforeseen circumstances, completion of the project has been delayed into 2004. The current schedule is to engineer and design the modifications by the end of 2003 and complete the project in early 2004. We will begin to reuse the stormwater immediately upon completion of the project and the rate of reuse will be such that we would expect the annualized total to meet our commitment. However, since the total reduction in water usage the facility committed to is based on operating the new system for a full year, we may not achieve our annual goal by the end of 2004.

C.1.c Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None

COMMITMENT 2

Category:	Energy Use				
Aspect:	Total Energy Use				
Specific Information on Aspect (Optional):	Measured by steam consumed to generate electricity.				
	Baseline	**Year 1**	**Year 2**	**Year 3**	**Performance Commitment**
Calendar Year:	2001	2002	2003	2004	2004
Actual Quantity (per year):	8,000,000	8,000,000			7,840,000
Measurement Units:	mmBtu	**Other:**			
Normalizing Factor:	1.0	1.0			1.0 *
Basis for your Normalizing Factor:	Production				
Normalized Quantity per year:	8,000,000	8000000			7840000

* Estimated

Explain Exclusions:

C.2.b Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

Achievement of this commitment is dependent on efforts to increase the efficiency of the facility's turbine. These efforts are scheduled for March 2004. During an outage on the turbine that is currently scheduled for 16 days, various internal components will be thoroughly cleaned, any damaged nozzles will be repaired or replaced, and the last row of blades will be replaced, as it is approaching the end of its expected life. In addition, valve work will be completed that will allow the turbine to consume additional steam that is already being generated, but is currently being wasted to the dump condenser. This steam will be converted to electricity for sale to the local utility. At the completion of this outage, we expect to meet the commitment for the rate of steam usage indicated in our application. However, when summed over the entire year, we may not achieve the total energy use portion listed above, since we will not have a full year to operate after the completion of work.

C.2.c Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None.

COMMITMENT 3

Category:	Waste				
Aspect:	Hazardous Solid Waste				
Specific Information on Aspect (Optional):	Used parts washer solvent.				
	Baseline	**Year 1**	**Year 2**	**Year 3**	**Performance Commitment**
Calendar Year:	2001	2002	2003	2004	2004
Actual Quantity (per year):	450	450			100
Measurement Units:	lbs	**Other:**			
Normalizing Factor:	1.0	1.0			1.0 *
Basis for your Normalizing Factor:	Production				
Normalized Quantity per year:	450	450			100

* Estimated

Explain Exclusions:

C.3.b Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

A new parts washer that recycles its own solvent was received in January 2003. This commitment is on target to be achieved in 2003 (zero waste generated to date in 2003).

C.3.c Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None.

COMMITMENT 4

Category:	Water Use
Aspect:	Total Water Use

Specific Information on Aspect (Optional):	Wastewater to public sewer system.				
	Baseline	**Year 1**	**Year 2**	**Year 3**	**Performance Commitment**
Calendar Year:	2001	2002	2003	2004	2004
Actual Quantity (per year):	178,053	207,778			50,000
Actual (ADMIN) Quantity (per year):					
Measurement Units:	gallons	**Other:**			
Normalizing Factor:	1.0	1.0			1.0 *
Basis for your Normalizing Factor:	Production				
Normalized Quantity per year:	178,053	207,778			50,000
Normalized (ADMIN) Quantity per year:					

* Estimated

Explain Exclusions:

Commitment focuses on the gallons of wastewater generated, not the total amount of water used or as previously committed to, the amount of materials (e.g., COD, BOD) in the discharged water.

C.4.b Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

This commitment is based on reuse of boiler water that was being discharged to the plant's low quality water system at the time of application. The low quality water is generally reused within the plant to add moisture to the ash residue generated from waste combustion. However, when the system is overwhelmed, which often occured during a boiler maintenance outage prior to the change, the excess must be discharged from the facility through the public sewer system and the amount discharged must be replaced with raw water. The piping modification needed to achieve this commitment was completed in February 2003 and all water drained from the boilers is now piped to a holding tank, then pumped back into the boiler at the completion of the outage. Wastewater discharges have been reduced significantly since this work was completed and this commitment is on target to be achieved in 2003.

C.4.c Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None.

SECTION D: PUBLIC OUTREACH AND PERFORMANCE REPORTING

D.1 Please briefly describe the activities that your facility conducted during the year to interact with the community on environmental issues and to report publicly on environmental performance.

1. The Plant Manager and Environmental Engineer meet with the local Solid Waste Advisory Committee (SWAC) approximately every 6 weeks to discuss environmental and operational issues at the facility and answer any questions from the group. There were eight meetings in 2002, including one on 10/2/02 that was held at the facility and included a plant tour. 2. The facility held its 12th annual recycling poster contest, which attracted 878 entries from 35 elementary schools. Prizes were awarded to the top 3 posters in each age category. 3. The facility hosted a total of 112 tours for 1818 visitors in 2002. Of these, 34 tours (450 students) were for science courses such as Biology, Environmental Science, and Mechanical Engineering taught at five local colleges. In addition, the lab book for the Biology 101 course taught at the local community college located across the street from the facility includes a section on American Ref-Fuel and includes a plant tour.

D.2 Please indicate which of the following methods your facility plans to use to make its Performance Track Annual Performance Report available to the public.

Web Site
Meetings
URL: http://www.ref-fuel.com

Attachments (if applicable) :